

What is claimed is:

1. A portable terminal comprising:

an information transmission and/or reception part for effecting transmission and/or reception of information;

a radio communication part for effecting communication by radio; and

an information processing part for processing the information;

wherein said portable terminal can effect transmission and/or reception of information relative to another portable terminal by any of a master terminal made up of said information transmission and/or reception part and said information processing part, a slave terminal made up of said information transmission and/or reception part and said radio communication part, and a normal terminal configured by combining said radio communication part with said information processing part via said information transmission and/or reception part.

2. A portable terminal comprising:

an information transmission and/or reception part for effecting transmission and/or reception of information;

a radio communication part for effecting communication by radio; and

an information processing part for processing the information;

wherein a first communication mode capable of effecting transmission and/or reception of information relative to another portable terminal by combining said radio communication part with said information processing part via said information transmission and/or reception part;

a second communication mode capable of effecting transmission and/or reception of information relative to another portable terminal using said information transmission and/or reception part and said information processing part;

a third communication mode capable of effecting transmission and/or reception of information relative to

another portable terminal using said information transmission and/or reception part and said radio communication part; and wherein said first, second and third communication modes are switched.

3. A portable terminal comprising:

a radio part provided with an information transmission and/or reception part for effecting transmission and/or reception of information and effecting communication by radio; and

a control part provided with another information transmission and/or reception part for effecting transmission and/or reception of information and processing the information;

wherein said portable terminal effects communication by effecting transmission and/or reception of information relative to another portable terminal by both said radio part and said control part, and/or effects transmission and/or reception of information relative to another portable terminal by either said radio part or control part.

4. A portable terminal comprising:

a radio part for effecting communication by radio; said radio part having first and second information transmission and/or reception parts for effecting transmission and/or reception of information; and

a control part for processing information, said control part having another first and second information transmission and/or reception parts for effecting transmission and/or reception of information;

wherein said radio part and control part can effect transmission and/or reception of information relative to another portable terminal via said first information transmission and/or reception parts, and either said radio part or said control part can effect transmission and/or reception of information relative to another portable terminal using said second information transmission and/or

reception part.

5. A portable terminal according to Claim 1, wherein said portable terminal may be configured in that said portable terminal is functioned as said master terminal or said slave terminal within communication range of said information transmission and/or reception part, and it is functioned as the normal terminal outside the communication range of said information transmission and/or reception part.

6. A portable terminal according to Claim 1, further comprising a switching part by combining said radio communication part with said information processing part or combining said information transmission and/or reception part with said radio communication part or information processing part.

7. A portable terminal according to Claim 1, further comprising a station part having an external antenna wherein when said portable terminal is installed in said station part, said portable terminal is connected to said external antenna.

8. A portable terminal according to Claim 7, wherein said station part has a charger of a secondary battery built in said portable terminal.

9. A portable terminal according to Claim 1, wherein said information transmission and/or reception part effects transmission and/or reception of information by radio or wire.

10. A portable telephone comprising:
an information transmission and/or reception part for effecting transmission and/or reception of information;
a radio communication part for effecting communication by radio; and
an information processing part for processing the information;

wherein said portable terminal can effect transmission and/or reception of information relative to another portable terminal by any of a master terminal made up of said information transmission and/or reception part and said information processing part, a slave terminal made up of said information transmission and/or reception part and said radio communication part, and a normal terminal configured by combining said radio communication part with said information processing part via said information transmission and/or reception part.

11. A portable telephone comprising:

an information transmission and/or reception part for effecting transmission and/or reception of information;

a radio communication part for effecting communication by radio; and

an information processing part for processing the information;

wherein a first communication mode capable of effecting transmission and/or reception of information relative to another portable terminal by combining said radio communication part with said information processing part via said information transmission and/or reception part;

a second communication mode capable of effecting transmission and/or reception of information relative to another portable terminal using said information transmission and/or reception part and said information processing part;

a third communication mode capable of effecting transmission and/or reception of information relative to another portable terminal using said information transmission and/or reception part and said radio communication part;

and wherein said first, second and third communication modes are switched.

12. A portable telephone comprising:

a radio part provided with an information transmission and/or reception part for effecting transmission and/or

reception of information and effecting communication by radio; and

a control part provided with another information transmission and/or reception part for effecting transmission and/or reception of information and processing the information;

wherein said portable terminal effects communication by effecting transmission and/or reception of information relative to another portable terminal by both said radio part and said control part, and/or effects transmission and/or reception of information relative to another portable terminal by either said radio part or control part.

13. A portable telephone comprising:

a radio part for effecting communication by radio; said radio part having first and second information transmission and/or reception parts for effecting transmission and/or reception of information; and

a control part for processing information, said control part having another first and second information transmission and/or reception parts for effecting transmission and/or reception of information;

wherein said radio part and control part can effect transmission and/or reception of information relative to another portable terminal via said first information transmission and/or reception parts, and either said radio part or said control part can effect transmission and/or reception of information relative to another portable terminal using said second information transmission and/or reception part.

14. A portable telephone according to Claim 10, wherein said portable terminal may be configured in that said portable terminal is functioned as said master terminal or said slave terminal within communication range of said information transmission and/or reception part, and it is functioned as the normal terminal outside the communication range of said

information transmission and/or reception part.

15. A portable telephone according to Claim 10, further comprising a switching part by combining said radio communication part with said information processing part or combining said information transmission and/or reception part with said radio communication part or information processing part.

16. A portable telephone according to Claim 10, further comprising a station part having an external antenna wherein when said portable terminal is installed in said station part, said portable terminal is connected to said external antenna.

17. A portable telephone according to Claim 16, wherein said station part has a charger of a secondary battery built in said portable terminal.

18. A portable telephone according to Claim 10, wherein said information transmission and/or reception part effects transmission and/or reception of information by radio or wire.

19. A master slave portable telephone system provided with first and second portable terminals comprising an information transmission and/or reception part for effecting transmission and/or reception of information, a radio communication part for effecting communication by radio, and an information processing part for processing the information, wherein transmission and/or reception of information between said information processing part of said first portable terminal and said radio communication part of said second portable terminal or effect transmission and/or reception of information between said information processing part of said second portable terminal and said radio communication part of said first portable terminal via said information transmission and/or reception parts of first and second portable terminals.

20. A master slave portable telephone system provided with an information transmission and/or reception part for effecting transmission and/or reception of information, a radio communication part for effecting communication by radio, and an information processing part for processing the information, and also provided with first and second portable terminals functioning as a master terminal configured by said information transmission and/or reception part and said information processing part and also functioning as a slave terminal configured by said information transmission and/or reception part and said radio communication part, wherein transmission and/or reception of information is effected between said first portable terminal and said second portable terminal via said information transmission and/or reception part by combining said master terminal with said slave terminal via said information transmission and/or reception parts of said first and second portable terminals.